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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Cullen

MAR 12 2004

Serial No: 09/683680

Group Art Unit: Unknown

Filed: 2/1/2002

Examiner: Unknown

Title: METHOD AND SYSTEM FOR INFERRING TORQUE OUTPUT OF A VARIABLE
COMPRESSION RATIO ENGINE

Attorney Docket No.: 200-1527 (81047347)

OFFICIAL

☒ CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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FACSIMILE

☐ deposited with the United States Postal Service
with sufficient postage as first class mail in an envelope
addressed to Mail Stop Petition, Commissioner for
Patents, P. O. Box 1450, Alexandria, VA 22313-1450☒ transmitted by facsimile to
the Patent and Trademark Office
Fax No: 703-872-9306
Total No. of Pages: 143-12-04
DateDonna J. Seibert
Signature Donna J. Seibert☐ PETITION AND FEE FOR EXTENSION OF TIME (37 CFR 1.136(a))

1. This is a petition for an extension of time to respond to the Office Action requesting an extension of time.
2. Applicant is other than a small entity.
3. Extension (Months)

<input type="checkbox"/> one month	<u>Fee For Other Than Small Entity</u>
<input type="checkbox"/> two months	\$110.00
<input type="checkbox"/> three months	\$400.00
<input type="checkbox"/> four months	\$920.00
	\$1,440.00
4. Amendment is filed herewith.
5. Please charge fee to Deposit Account 06-1510. If there are insufficient funds in this account, please charge the fees to Deposit Account No.06-1505.

PETITION TO WITHDRAW
HOLDING OF ABANDONMENT UNDER 37 C.F.R. § 1.181.(a)

Mail Stop Petition
Commissioner for Patents
U.S. Patent & Trademark Office
P. O. Box 1450
Alexandria, VA 22313-1450

Attention: Patricia Ball

Madame:

The undersigned hereby petitions for withdrawal of the holding of abandonment for the above referenced application. The Notice of Abandonment, which was mailed on February 18, 2004, (a copy of which is enclosed), indicated the application as being abandoned as a result of Applicant's failure to timely or properly reply to a Notice mailed on February 12, 2002.

A response to the Notice was mailed on March 28, 2002 along with a return postcard. A copy of the response with a date stamped copy of the postcard is provided.

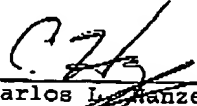
Corrected drawings were not provided because they were filed electronically along with the rest of the specification. A copy of the Acknowledgement Receipt is provided confirming the successful uploading of the .tif files for the drawings.

Copies of the original formal drawings are also provided herewith, which are believed to be in full compliance with all applicable Patent Office rules. Should you disagree, please contact the undersigned by fax or telephone at the number listed below.

In accordance with MPEP § 711.03(c)I, no fee is believed to be appropriate or necessary for this Petition. In the event, however, that the Patent Office determines that a fee is necessary, the Patent Office is authorized to change Deposit Account No. 06-1510 for the Petition fee, without prejudice as seeking a later refund in order to return the application to active, allowed status.

If the Patent Office has any questions regarding this communication, please do not hesitate to telephone the undersigned.

Respectfully submitted,



Carlos L. Hanze
Registration No. 43,657
Attorney for Applicant

Date: 3/12/2004
Ford Global Technologies, LLC
600 Parklane Towers East
Dearborn, Michigan 48126
1-313-323-6733
Fax: (313) 322-7162



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/683,680	02/01/2002	Michael John Cullen	200-1527

022844
FORD GLOBAL TECHNOLOGIES, LLC.
SUITE 600 - PARKLANE TOWERS EAST
ONE PARKLANE BLVD.
DEARBORN, MI 48126

CONFIRMATION NO. 3098

ABANDONMENT/TERMINATION
LETTER

OC000000011915441

Date Mailed: 02/18/2004

NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 02/12/2002.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

M. Young
Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/683680
PATENT☒ OFFICIAL
☐ UNOFFICIAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Cullen

Serial No: 09/683680

Group Art Unit: Unknown

Filed: 2/1/2002

Examiner: Unknown

Title: METHOD AND SYSTEM FOR INFERRING TORQUE OUTPUT OF A
VARIABLE COMPRESSION RATIO ENGINE☒ CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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addressed to Assistant Commissioner for
Patents, Washington, D.C. 20231.☐ transmitted by facsimile to
the Patent and Trademark Office

Fax No:

Total No. of Pages:

3/28/02
DateDonna Seibert D. Seibert
Signature☐ PETITION AND FEE FOR EXTENSION OF TIME (37 CFR 1.136(a))

1. This is a petition for an extension of time to respond to the Office Action requesting an extension of time.
2. Applicant is other than a small entity.

3. Extension (Months)

- | | |
|--------------------------|--------------|
| <input type="checkbox"/> | one month |
| <input type="checkbox"/> | two months |
| <input type="checkbox"/> | three months |
| <input type="checkbox"/> | four months |

Fee For Other Than Small Entity

\$110.00
\$390.00
\$890.00
\$1,390.00

4. Amendment is filed herewith.
5. Please charge fee to Deposit Account 06-1510. If there are insufficient funds in this account, please charge the fees to Deposit Account No.06-1505.

4/3/02 mt

Assistant Commissioner for Patents
Attention: Box Missing Parts
Washington, D.C. 20231

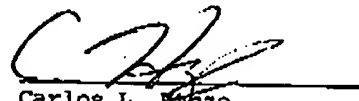
LETTER

Sir:

The attached Notice of Missing Parts stated that the application lacked a properly signed oath and declaration. Attached please find a fully executed Declaration and Power of Attorney. Please charge the missing parts fee of \$130.00 to deposit account no. 06-1510.

If deposit account no. 06-1510 lacks sufficient funds, the Commissioner is authorized to charge deposit account no. 06-1505.

Respectfully submitted,


Carlos L. Manze
Registration No. 43,657
Attorney for Applicant(s)

Date: 3/28/2002
Ford Global Technologies, Inc.
600 Parklane Towers East
Dearborn, Michigan 48126
1-313-323-6733
Fax: (313) 322-7162

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

Attorney's Docket No.
200-1527

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR INFERRING TORQUE OUTPUT OF A VARIABLE COMPRESSION RATIO ENGINE

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,

☒ [X] no such applications have been filed, or☐ [] such applications have been filed as follows:☐ [] I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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POWER OF ATTORNEY: - I/we hereby appoint Practitioners at Customer No. 022844, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.

Attorney Docket No: 200-1527

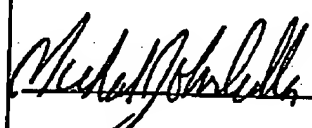
Please call 313-322-7725 if this paper becomes separated from the file.

Address all correspondence and telephone calls to:

Carlos L. Hanze
Ford Global Technologies, Inc.
One Parklane Boulevard
600 East Parklane Towers
Dearborn, Michigan 48126

Telephone: (313) 323-6733

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Michael John Cullen 41740 Camden Ct. Northville, Mich 48167 US	Northville, Mich 48167 US	U.S.A		3/6/04

Attorney Docket No: 200-1527

Please call 313-322-7725 if this paper becomes separated from the file.

Acknowledgment Receipt:

SUBMISSION TYPE: Utility Patent Filing
APPLICATION NUMBER: 09683680
FIRST NAMED INVENTOR: Michael Cullen
TITLE OF INVENTION: METHOD AND SYSTEM FOR INFERRING TORQUE OUTPUT OF
A VARIABLE COMPRESSION RATIO ENGINE
ATTORNEY DOCKET NUMBER: 200-1527

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TIMESTAMP: Fri Feb 01 15:53:38 EST 2002

MESSAGE DIGEST: 4+QhQmA3N3uKODNM3nsTNA==

DIGITAL CERTIFICATE HOLDER NAME: cn=Damian Porcari, ou=Registered Attorneys

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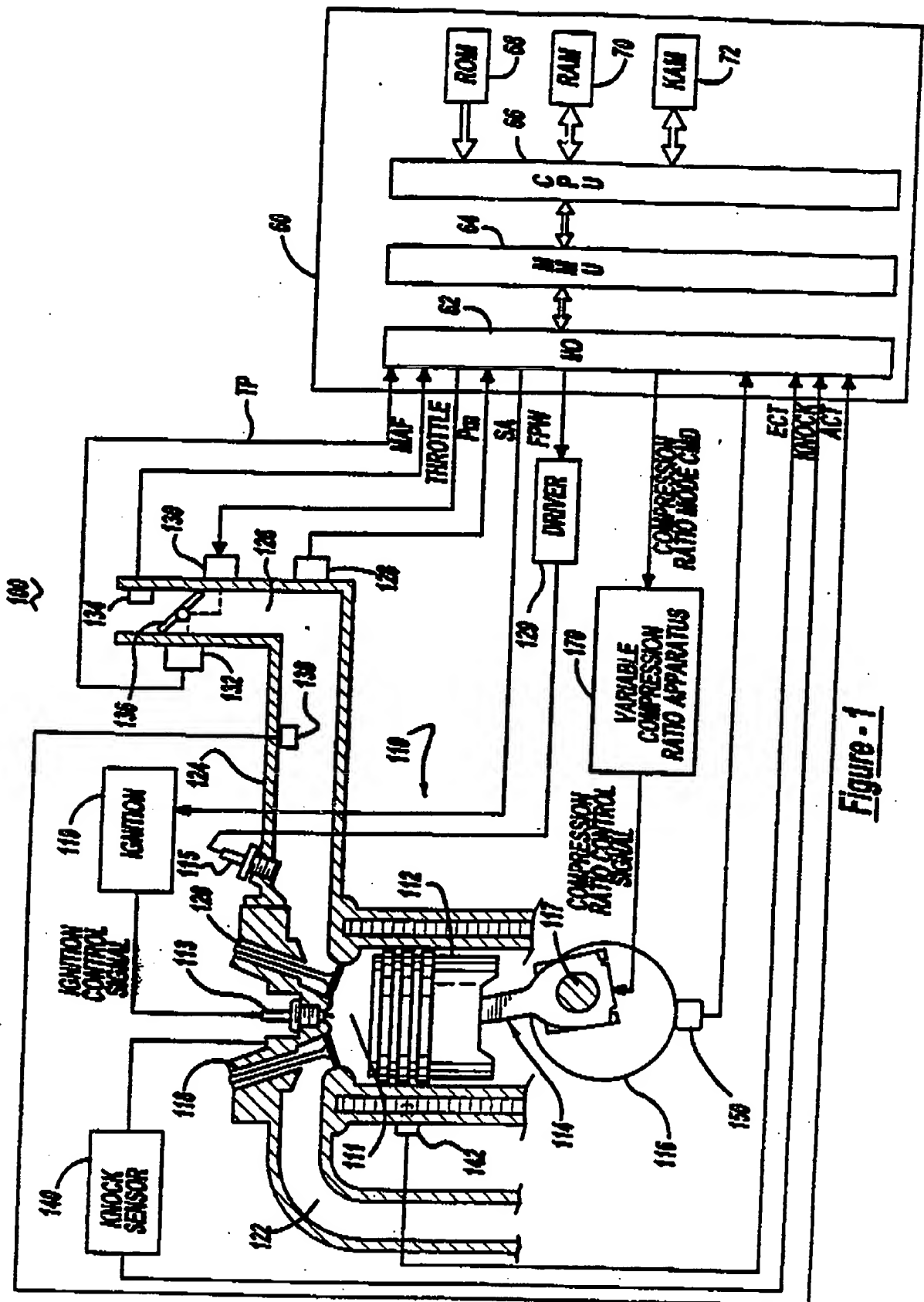
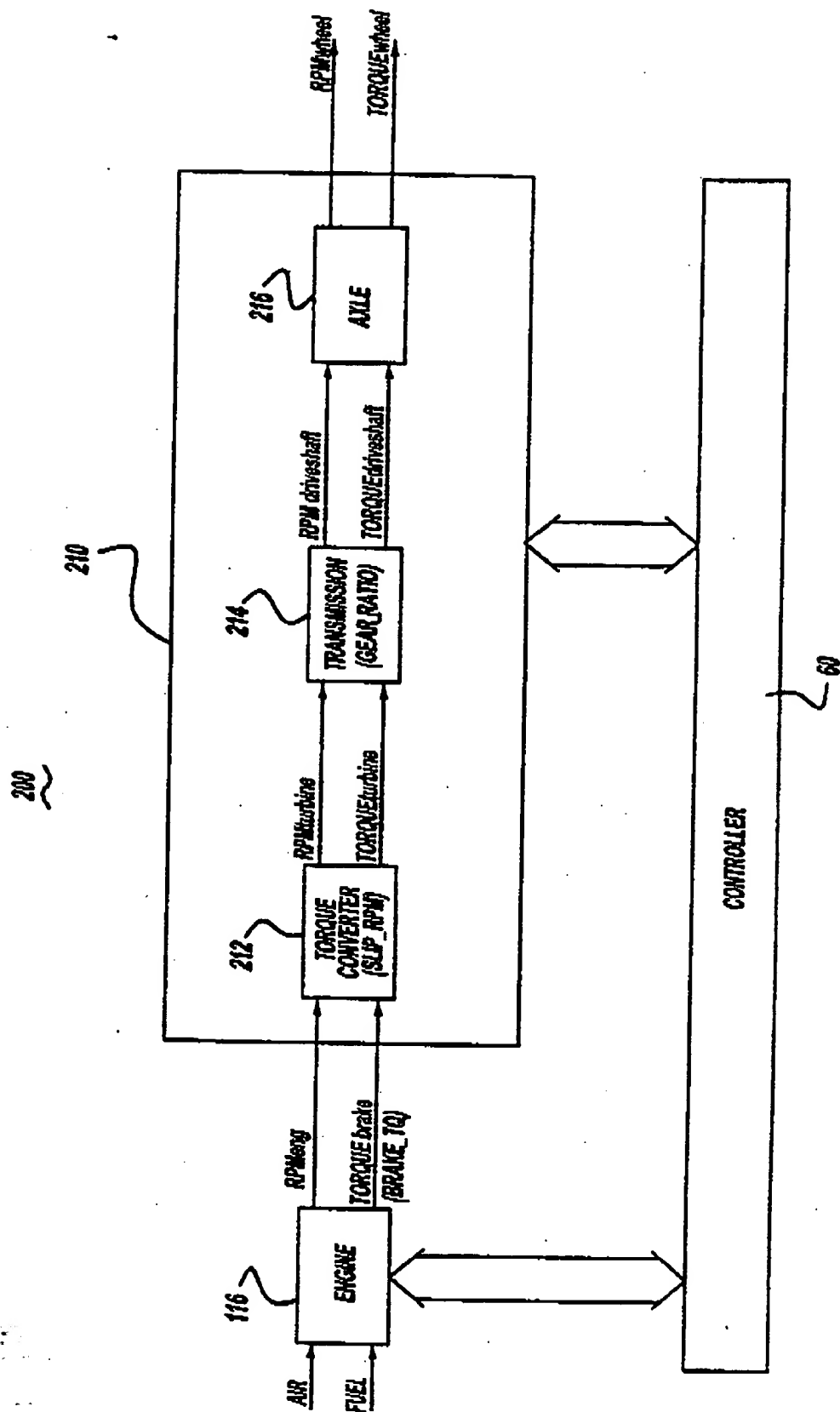
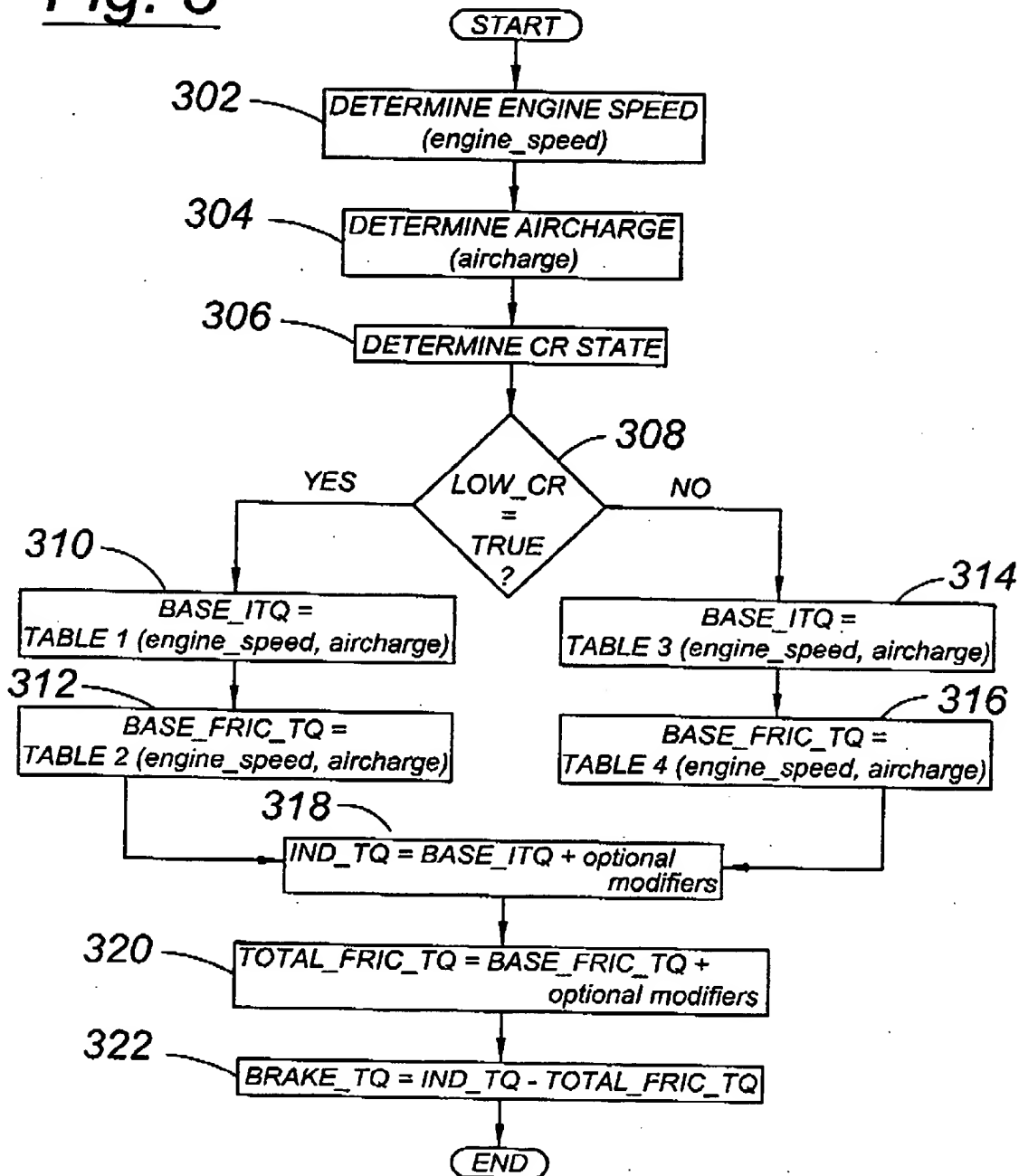


Figure - 1

**Figure - 2**

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Fig. 3RECEIVED
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Fig. 4